

AMENDMENTS TO THE SPECIFICATION

Please replace the paragraph bridging pages 14 through 16 with the following rewritten paragraph.

In the mobile terminal according to the present invention, the ad hoc network/ destination address capture means comprises destination terminal address detection means for receiving the network identification signal, starting up when a connection network of the mobile terminal itself is an ad hoc network, receiving the receive packet and the ~~opposite~~opposite communication party's name, outputting the terminal address of the opposite communication party's name by detecting a destination address message containing correspondence relationships between the opposite communication party's name and the opposite communication party's terminal address from the receive packet, and outputting a terminal address capture signal of the opposite communication party; destination terminal address request message output means for receiving the opposite communication party's name, broadcasting as the transmission packet a message requesting the correspondence relationship between the opposite communication party's name and the opposite communication party's terminal to a communication medium in which a connection network of the mobile terminal itself configures an ad hoc network, and outputting a timer start-up signal; a timer for starting measuring a predetermined period of time in response to the timer start-up signal, ceasing measurement of the predetermined period of time when a terminal address capture signal of the opposite communication party is received during measuring the predetermined period of time, and outputting a time-out signal representing a time-out when the

measurement of the predetermined period of time ends; terminal address non-capture detection means for outputting a terminal address non-capture signal representing that a terminal address corresponding to the opposite communication party's name cannot be captured, when the time-out signal is received; a control circuit for outputting a switch control pulse that selects the terminal address non-capture signal when the time-out signal is input and selects a terminal address capture signal of the opposite communication party when a terminal address capture signal of the opposite communication party is input; a switch for selectively outputting the terminal address non-capture signal or the terminal address capture signal of the opposite communication party, based on the switch control pulse; destination terminal address request message detection means for detecting the destination terminal address request message in response to the receive packet and then outputting the destination address message transmission request signal when the destination terminal address request message requests a terminal address to the name of the mobile terminal itself; and destination terminal address message transmission means for broadcasting as the transmission packet the destination terminal address message containing its own terminal address to a communication medium in which a connection network of the mobile terminal configures an ad hoc network, when the destination address message ~~message~~ transmission request signal is input.

Please replace the paragraph bridging pages 37 through 39 with the following rewritten paragraph.

The ad hoc/ infrastructure network identification means 65 shown in Fig. 4 can be configured as shown in Fig. 6. Referring to Fig. 6, numeral 40 represents an input terminal; 94 to 96 represent output terminals; 97 represents infrastructure network advertisement message receive means; 98 represents ad hoc network advertisement message receive means; 27a and 27b represent counters; 34 represents a timer; 91 and 92 represent comparators; and 93 represents decoder. In response to an input packet, the infrastructure network advertisement message receive means 97 detects an infrastructure network advertisement message containing the network address of a network connected to the mobile terminal and then outputs a message detection pulse to the counter 27a. In response to an input packet, the ad hoc network advertisement message receive means 98 detects an ad hoc network advertisement message containing the network address of a network connected to the mobile terminal and then outputs a message detection pulse to the counter 27b. The counter 27a counts up every time the message detection pulse is input and then receives a reset pulse when the timer 34 become time-out. The counter 27b counts up every time the message detection pulse is input and then receives a reset pulse when the timer 34 become time-out. In response to a reset pulse, the counter 27a outputs the count number of message detection pulses at the reset time to the counter 91. In response to a reset pulse, the counter 27b outputs the count number of message detection pulses at the reset time to the counter 92. The comparator 91 compares the input signal with zero and then outputs a pulse representing zero or other value. The comparator 92 compares the input signal with zero and then outputs a pulse representing zero or other value. ~~When the~~ The comparator 91 outputs a pulse representing that the input signal is

not zero, as a pulse starting up the infrastructure network destination address capture means 66, to the output terminal 94. When the comparator 92 outputs a pulse representing that the input signal is not zero, as a pulse starting up the infrastructure network destination address capture means 64, to the output terminal 95. The decoder 93 receives the signal from the comparator 91 and the signal from the comparator 92. When the comparator 91 outputs a pulse representing that the input signal is not zero, the decoder 93 outputs a control signal to the switches 61 and 65 to selectively output an output from the infrastructure network destination address capture means 66 and outputs a control signal to the switch 61 to output an input signal to the infrastructure network destination address capture means 66. When the comparator 92 outputs a pulse representing that the input signal is not zero, the decoder 93 outputs a control signal to the switches 61 and 65 to selectively output an output from the ad hoc network destination address capture means 64 and outputs a control signal to the switch 61 to output an input signal to the ad hoc network destination address capture means 64.

Please replace the paragraph bridging pages 47 and 48 with the following rewritten paragraph.

Next, explanation will be made as to the case where a new ad hoc network is configured. In this case, the ad hoc network/ network address capture means 123 starts up. The ad hoc network/ network address capture means ~~12~~ 123 shown in Fig. 10 can be realized as shown in Fig. 11. Referring to Fig. 11, numerals 500 and 40 represent input terminals; 503, 510 and 511 represent output terminals; 502 represents network address

candidate setting means; ~~503~~513 represents ad hoc network/ network address request message transmission means; 504 represents ad hoc network/ network address captured signal detection means; 506 represents ad hoc network/ request network address spent message detection means; 507 represents a comparator; 508 represents a timer; and 509 represents a gate. The network address candidate setting means 502 receives a signal from the decoder 132 via the input terminal 500 and then outputs the network address candidate of an ad hoc network to be configured while it starts up the timer 508. The ad hoc network/ network address request message transmission means configures an ad hoc network/ network address request message using the input network address candidate and then outputs it as a broadcast packet to the transmission queue 133 to transmit onto the communication medium via the output terminal 511. The ad hoc network/ request network address spent message detection means 506 receives a packet on the communication medium via the input terminal, detects an ad hoc network/ request network address spent message, and then extracts a spent network address to output to the comparator 507. The comparator 507 compares the spent network address from the ad hoc network/ request network address spent message detection means 506 with a network address candidate from the network address candidate setting means 502. If both the addresses are agreed, the comparator 507 re-starts up the network address candidate setting means 502 and then outputs a different network address as a network address candidate. At this time, the network address candidate setting means 502 restarts up the timer 508.